

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	51565	(lc "liquid crystal") and (fo "fiber optic")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:22
S2	62419	"385"\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 09:35
S3	3906	S2 and (lc "liquid crystal")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 09:38
S4	53790	S1 S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 09:36
S5	50202	S4 not @ad>"20040122"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/25 08:09
S6	427	S5 and ((lc "liquid crystal") near5 lens)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 09:39
S7	5	S6 and ((lc "liquid crystal") near3 cladding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 09:42
S8	48	S5 and ((lc "liquid crystal") near3 cladding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 09:57

## EAST Search History

S9	43	S8 not S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 09:43
S10	50	(US-4582390-\$ or US-4943971-\$ or US-5367584-\$ or US-5715267-\$ or US-5833818-\$ or US-5970186-\$ or US-6022671-\$ or US-6052215-\$ or US-4523810-\$ or US-4298245-\$ or US-4783140-\$ or US-5586205-\$ or US-5953469-\$ or US-5986728-\$ or US-5544268-\$ or US-5664032-\$ or US-5724463-\$ or US-5748825-\$ or US-6078704-\$ or US-6236799-\$ or US-4589117-\$ or US-4632709-\$ or US-4791649-\$ or US-4792958-\$ or US-4813771-\$ or US-4828362-\$).did. or (US-4835117-\$ or US-4910743-\$ or US-4984244-\$ or US-5217568-\$ or US-5224198-\$ or US-5360497-\$ or US-5361320-\$ or US-5377026-\$ or US-5388169-\$ or US-5581642-\$ or US-5647036-\$ or US-5712674-\$ or US-5760936-\$ or US-5781670-\$ or US-5824419-\$ or US-5854870-\$ or US-5911018-\$ or US-5912997-\$ or US-5937115-\$ or US-5978524-\$ or US-6118908-\$ or US-6141465-\$ or US-6157753-\$ or US-6167169-\$).did.	USPAT	OR	ON	2006/06/20 09:56
S11	7	S10 and ((lc "liquid crystal") near3 cladding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 09:58
S12	1	09/944381	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 09:58

## EAST Search History

S13	50	(US-6018602-\$ or US-5218582-\$ or US-5408565-\$ or US-6075596-\$ or US-4941738-\$ or US-5404413-\$ or US-6055102-\$ or US-6289156-\$ or US-6418255-\$ or US-6813056-\$ or US-5237265-\$ or US-5015051-\$ or US-5607799-\$ or US-6280884-\$ or US-5432637-\$ or US-5661825-\$ or US-4297710-\$ or US-4503541-\$ or US-4767969-\$ or US-4371838-\$ or US-4446556-\$ or US-4536861-\$ or US-4571080-\$ or US-4780876-\$ or US-4807953-\$ or US-4815853-\$).did. or (US-4899042-\$ or US-4902127-\$ or US-5280173-\$ or US-5287300-\$ or US-5653811-\$ or US-5990475-\$ or US-6445861-\$ or US-5463705-\$ or US-6049415-\$ or US-6208795-\$ or US-4378951-\$ or US-4584470-\$ or US-4762384-\$ or US-5479542-\$ or US-5588078-\$ or US-5611004-\$ or US-5811964-\$ or US-5878071-\$ or US-5878065-\$ or US-6112000-\$ or US-6132524-\$ or US-6188768-\$ or US-4789500-\$ or US-5245465-\$).did.	USPAT	OR	ON	2006/06/23 08:22
S14	48	(US-4456913-\$ or US-6100703-\$ or US-4774615-\$ or US-4872181-\$ or US-5559816-\$ or US-4294014-\$ or US-4416514-\$ or US-5360007-\$ or US-4007979-\$ or US-4516855-\$ or US-4554454-\$ or US-5047783-\$ or US-5585946-\$ or US-5652390-\$ or US-5760397-\$ or US-6075651-\$ or US-6215464-\$ or US-6217173-\$ or US-6261665-\$ or US-6278425-\$ or US-6081367-\$ or US-4321705-\$ or US-4367555-\$ or US-4556320-\$ or US-4831663-\$ or US-4905252-\$).did. or (US-5218582-\$ or US-6075596-\$ or US-3890047-\$ or US-4482202-\$ or US-4542338-\$ or US-5023948-\$ or US-5182735-\$ or US-5222094-\$ or US-5235570-\$ or US-5408565-\$ or US-5818626-\$ or US-5867129-\$ or US-6275317-\$ or US-6289156-\$ or US-6418255-\$ or US-6476956-\$ or US-6813056-\$ or US-4479128-\$ or US-5701130-\$ or US-6175667-\$ or US-4872755-\$ or US-4900137-\$).did.	USPAT	OR	ON	2006/06/23 08:22

## EAST Search History

S15	51597	(lc "liquid crystal") and (fo "fiber optic")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:24
S16	194	( "0010593" "0023932" "0032940" "0038740" "0003651" "0044710" "0051279" "0063941" "0139974" "0031443" "0085614" "2072419" "3289001" "3701131" "3756690" "3811096" "3976356" "4476465" "4500176" "4572840" "4575722" "4578651" "4584237" "4606605" "4609257" "4661809" "4893909" "4966445" "4981341" "5031983" "5048937" "5050968" "5052786" "5053704" "5056885" "5058971" "5076675" "5106455" "5269882" "5270485" "5273622" "5408565" "5451774" "5473466" "5581647" "5598492" "5610747" "5619355" "5634194" "5640021" "5673131" "5739943" "5767824" "5790299" "5802222" "5812304" "5844710" "5867300" "5889609" "5901258" "5973821" "5990996" "6018412" "6063200" "6103010" "6151429" "6208795" "6252665" "6314215" "6333806" "6339492" "6417892" "6431935" "6441944" "6462856" "6467313" "6496634" "6532774" "6542647" "6542665" "6550282" "6576406" "6577430" "6580546" "6594068" "6631234" "6647852" "6654522" "6757101" "6762872" "6782148" "6813076" "6952300" ) .PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:25
S17	62476	"385"\$ .ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:25
S18	39613	"349"\$ .ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:25

## EAST Search History

S19	151433	S13 S14 S15 S16 S17 S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/25 08:08
S20	141519	S19 not @ad>"20040212"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:10
S21	1835	S20 and (modulator near5 (intensity amplitude))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:42
S22	0	S21 and (ferromagnetic near5 (doped dope dopant))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:48
S23	0	S21 and (ferromagnetic near9 (doped dope dopant))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:44
S24	0	S21 and ("ferro-magnetic" near5 (doped dope dopant))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:44
S25	0	S21 and ("ferro-magnetic" near20 (doped dope dopant))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:45
S26	2	S21 and ((YIG Tb TGG) near5 (doped dope dopant))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:47



## EAST Search History

S27	231	S21 and (coil coilform)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:47
S28	110	S27 and (doped dope dopant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:48
S29	83	S28 and magnet\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:49
S30	83	S29 and polariz\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:52
S31	3	S29 and (polariz\$9 near5 (control vary alter change regulate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 09:04
S32	65	S21 and (integrated near5 polariz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 09:04
S33	42	S21 and (integrated near3 polariz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 09:05
S34	34	S21 and (integrated near2 polariz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 09:08

## EAST Search History

S35	26	S21 and amplitude.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 09:43
S36	8	((("5802222") or ("5619355") or ("5031983") or ("5990996"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/23 09:50
S37	25	10/811782	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 09:50
S38	4	((("5835458") or ("6078704"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/23 12:05
S39	50	(US-6018602-\$ or US-5218582-\$ or US-5408565-\$ or US-6075596-\$ or US-4941738-\$ or US-5404413-\$ or US-6055102-\$ or US-6289156-\$ or US-6418255-\$ or US-6813056-\$ or US-5237265-\$ or US-5015051-\$ or US-5607799-\$ or US-6280884-\$ or US-5432637-\$ or US-5661825-\$ or US-4297710-\$ or US-4503541-\$ or US-4767969-\$ or US-4371838-\$ or US-4446556-\$ or US-4536861-\$ or US-4571080-\$ or US-4780876-\$ or US-4807953-\$ or US-4815853-\$).did. or (US-4899042-\$ or US-4902127-\$ or US-5280173-\$ or US-5287300-\$ or US-5653811-\$ or US-5990475-\$ or US-6445861-\$ or US-5463705-\$ or US-6049415-\$ or US-6208795-\$ or US-4378951-\$ or US-4584470-\$ or US-4762384-\$ or US-5479542-\$ or US-5588078-\$ or US-5611004-\$ or US-5811964-\$ or US-5878071-\$ or US-5878065-\$ or US-6112000-\$ or US-6132524-\$ or US-6188768-\$ or US-4789500-\$ or US-5245465-\$).did.	USPAT	OR	ON	2006/06/23 12:10

## EAST Search History

S40	48	(US-4456913-\$ or US-6100703-\$ or US-4774615-\$ or US-4872181-\$ or US-5559816-\$ or US-4294014-\$ or US-4416514-\$ or US-5360007-\$ or US-4007979-\$ or US-4516855-\$ or US-4554454-\$ or US-5047783-\$ or US-5585946-\$ or US-5652390-\$ or US-5760397-\$ or US-6075651-\$ or US-6215464-\$ or US-6217173-\$ or US-6261665-\$ or US-6278425-\$ or US-6081367-\$ or US-4321705-\$ or US-4367555-\$ or US-4556320-\$ or US-4831663-\$ or US-4905252-\$).did. or (US-5218582-\$ or US-6075596-\$ or US-3890047-\$ or US-4482202-\$ or US-4542338-\$ or US-5023948-\$ or US-5182735-\$ or US-5222094-\$ or US-5235570-\$ or US-5408565-\$ or US-5818626-\$ or US-5867129-\$ or US-6275317-\$ or US-6289156-\$ or US-6418255-\$ or US-6476956-\$ or US-6813056-\$ or US-4479128-\$ or US-5701130-\$ or US-6175667-\$ or US-4872755-\$ or US-4900137-\$).did.	USPAT	OR	ON	2006/06/23 12:10
S41	51597	(lc "liquid crystal") and (fo "fiber optic")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:10



## EAST Search History

S42	194	( "0010593" "0023932" "0032940" "0038740" "0003651" "0044710" "0051279" "0063941" "0139974" "0031443" "0085614" "2072419" "3289001" "3701131" "3756690" "3811096" "3976356" "4476465" "4500176" "4572840" "4575722" "4578651" "4584237" "4606605" "4609257" "4661809" "4893909" "4966445" "4981341" "5031983" "5048937" "5050968" "5052786" "5053704" "5056885" "5058971" "5076675" "5106455" "5269882" "5270485" "5273622" "5408565" "5451774" "5473466" "5581647" "5598492" "5610747" "5619355" "5634194" "5640021" "5673131" "5739943" "5767824" "5790299" "5802222" "5812304" "5844710" "5867300" "5889609" "5901258" "5973821" "5990996" "6018412" "6063200" "6103010" "6151429" "6208795" "6252665" "6314215" "6333806" "6339492" "6417892" "6431935" "6441944" "6462856" "6467313" "6496634" "6532774" "6542647" "6542665" "6550282" "6576406" "6577430" "6580546" "6594068" "6631234" "6647852" "6654522" "6757101" "6762872" "6782148" "6813076" "6952300" ) .PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:10
S43	62476	"385"\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:10
S44	39613	"349"\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:10
S45	151433	S39 S40 S41 S42 S43 S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:10

## EAST Search History

S46	141519	S45 not @ad>"20040212"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:11
S47	1261	S46 and modulator.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:13
S48	33	S47 and "second cladding"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:13
S49	14	S48 and magnet\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:20
S50	19	S48 not S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:23
S51	0	S47 and (concentric near5 cladding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:23
S52	0	S47 and (coaxial near5 cladding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:24
S53	50	S46 and (coaxial near5 cladding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:24

## EAST Search History

S54	5	S53 and modulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:29
S55	30	S47 and (circular adj polariz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:44
S56	50	(US-6018602-\$ or US-5218582-\$ or US-5408565-\$ or US-6075596-\$ or US-4941738-\$ or US-5404413-\$ or US-6055102-\$ or US-6289156-\$ or US-6418255-\$ or US-6813056-\$ or US-5237265-\$ or US-5015051-\$ or US-5607799-\$ or US-6280884-\$ or US-5432637-\$ or US-5661825-\$ or US-4297710-\$ or US-4503541-\$ or US-4767969-\$ or US-4371838-\$ or US-4446556-\$ or US-4536861-\$ or US-4571080-\$ or US-4780876-\$ or US-4807953-\$ or US-4815853-\$).did. or (US-4899042-\$ or US-4902127-\$ or US-5280173-\$ or US-5287300-\$ or US-5653811-\$ or US-5990475-\$ or US-6445861-\$ or US-5463705-\$ or US-6049415-\$ or US-6208795-\$ or US-4378951-\$ or US-4584470-\$ or US-4762384-\$ or US-5479542-\$ or US-5588078-\$ or US-5611004-\$ or US-5811964-\$ or US-5878071-\$ or US-5878065-\$ or US-6112000-\$ or US-6132524-\$ or US-6188768-\$ or US-4789500-\$ or US-5245465-\$).did.	USPAT	OR	ON	2006/06/25 08:08

## EAST Search History

S57	48	(US-4456913-\$ or US-6100703-\$ or US-4774615-\$ or US-4872181-\$ or US-5559816-\$ or US-4294014-\$ or US-4416514-\$ or US-5360007-\$ or US-4007979-\$ or US-4516855-\$ or US-4554454-\$ or US-5047783-\$ or US-5585946-\$ or US-5652390-\$ or US-5760397-\$ or US-6075651-\$ or US-6215464-\$ or US-6217173-\$ or US-6261665-\$ or US-6278425-\$ or US-6081367-\$ or US-4321705-\$ or US-4367555-\$ or US-4556320-\$ or US-4831663-\$ or US-4905252-\$).did. or (US-5218582-\$ or US-6075596-\$ or US-3890047-\$ or US-4482202-\$ or US-4542338-\$ or US-5023948-\$ or US-5182735-\$ or US-5222094-\$ or US-5235570-\$ or US-5408565-\$ or US-5818626-\$ or US-5867129-\$ or US-6275317-\$ or US-6289156-\$ or US-6418255-\$ or US-6476956-\$ or US-6813056-\$ or US-4479128-\$ or US-5701130-\$ or US-6175667-\$ or US-4872755-\$ or US-4900137-\$).did.	USPAT	OR	ON	2006/06/25 08:08
S58	51604	(lc "liquid crystal"):and (fo "fiber optic")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/25 08:08

## EAST Search History

S59	194	( "0010593" "0023932" "0032940" "0038740" "0003651" "0044710" "0051279" "0063941" "0139974" "0031443" "0085614" "2072419" "3289001" "3701131" "3756690" "3811096" "3976356" "4476465" "4500176" "4572840" "4575722" "4578651" "4584237" "4606605" "4609257" "4661809" "4893909" "4966445" "4981341" "5031983" "5048937" "5050968" "5052786" "5053704" "5056885" "5058971" "5076675" "5106455" "5269882" "5270485" "5273622" "5408565" "5451774" "5473466" "5581647" "5598492" "5610747" "5619355" "5634194" "5640021" "5673131" "5739943" "5767824" "5790299" "5802222" "5812304" "5844710" "5867300" "5889609" "5901258" "5973821" "5990996" "6018412" "6063200" "6103010" "6151429" "6208795" "6252665" "6314215" "6333806" "6339492" "6417892" "6431935" "6441944" "6462856" "6467313" "6496634" "6532774" "6542647" "6542665" "6550282" "6576406" "6577430" "6580546" "6594068" "6631234" "6647852" "6654522" "6757101" "6762872" "6782148" "6813076" "6952300" ) .PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/25 08:08
S60	62476	"385"\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/25 08:08
S61	39613	"349"\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/25 08:08
S62	151440	S56 S57 S58 S59 S60 S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/25 08:08



## EAST Search History

S63	141514	S62 not @ad>"20040212"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/25 08:10
S64	109	S63 and ("circular polarizer" near5 "linear polarizer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/25 08:11
S65	0	S63 and ("circular polarizer" near5 "alternate")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/25 08:11
S66	3	S64 and ("circular polarizer" near5 "analyzer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/25 08:12